



	COUNTING IN FRACTIONAL STEPS								
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
		Pupils should count in fractions up to 10, starting from any number and using the 1/2 and 2/4 equivalence on the number line (Non Statutory Guidance)	count up and down in tenths	count up and down in hundredths					
		- Ctatatory Caraminos	RECOGNISING FRAC	TIONS					
Beginning to use the term "half" and understand it means sharing into 2 equal parts	recognise, find and name a half as one of two equal parts of an object, shape or quantity	recognise, find, name and write fractions $^1/_3$ , $^1/_4$ , $^2/_4$ and $^3/_4$ of a length, shape, set of objects or quantity	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators  recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10.	recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence)				
	recognise, find and name a quarter as one of four equal parts of an object, shape or quantity		recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators						













COMPARING FRACTIONS							
		compare and order unit		compare and order	compare and		
		fractions, and fractions with		fractions whose	order		
		the same denominators		denominators are all	fractions,		
				multiples of the same	including		
				number	fractions >1		













	COMPARING DECIMALS								
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
			compare numbers with the same number of decimal places up to two decimal places	read, write, order and compare numbers with up to three decimal places	identify the value of each digit in numbers given to three decimal places				
			ROUNDING INCLUDING DEC	CIMALS					
			round decimals with one decimal place to the nearest whole number	round decimals with two decimal places to the nearest whole number and to one decimal place	solve problems which require answers to be rounded to specified degrees of accuracy				
		EQUIVALENCE	(INCLUDING FRACTIONS, DECIN	MALS AND PERCENTAGES)					
	write simple fractions e.g. $^{1}/_{2}$ of 6 = 3 and recognise the equivalence of $^{2}/_{4}$ and $^{1}/_{2}$ .	recognise and show, using diagrams, equivalent fractions with small denominators	recognise and show, using diagrams, families of common equivalent fractions	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	use common factors to simplify fractions; use common multiples to express fractions in the same denomination				
			recognise and write decimal equivalents of any number of tenths or hundredths	read and write decimal numbers as fractions (e.g. $0.71 = {}^{71}/{}_{100}$ ) recognise and use thousandths and	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <sup>3</sup> / <sub>8</sub> )				
				relate them to tenths, hundredths and decimal equivalents					





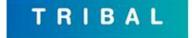








			•	10.08 = 0.0				, , , , , , , , , , , , , , , , , , ,
				recognise and write equivalents to $\frac{1}{4}$ ; $\frac{1}{4}$			cent symbol (%) and per cent relates to	recall and use equivalences between simple fractions,
							per hundred", and	decimals and percentages,
							s as a fraction with	including in different contexts.
							as a decimal fraction	<b>5</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				ADDITION AND SUBTR	ACTION OF			
Year 1		Yea	r 2	Year 3		Year 4	Year 5	Year 6
			ad	d and subtract fractions	add and s	subtract fractions	add and subtract fraction	ons add and subtract fractions
			wit	th the same	with the	same	with the same	with different
			de	nominator within one	denomin	ator	denominator and	denominators and mixed
			wh	nole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ )			multiples of the same	numbers, using the
							number	concept of equivalent
							recognise mixed number	ers fractions
							and improper fractions	
							and convert from one	
							form to the other and	
							write mathematical	
							statements > 1 as a mix	ed
							number (e.g. $^{2}/_{5} + ^{4}/_{5} = ^{6}$	1/5=
							1 <sup>1</sup> / <sub>5</sub> )	
				MULTIPLICATION AND D	DIVISION O	F FRACTIONS		
							multiply proper fraction	ns multiply simple pairs of
							and mixed numbers by	proper fractions, writing
							whole numbers,	the answer in its simplest
							supported by materials	form (e.g. $^{1}/_{4} \times ^{1}/_{2} = ^{1}/_{8}$ )
							and diagrams	













					multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by whole numbers (e.g. $^{1}/_{3} \div 2$ = $^{1}/_{6}$ )
		MULTIPLICATION AND	DIVISION OF DECIMALS		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths		multiply one-digit numbers with up to two decimal places by whole numbers multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
					identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100













					and 1000 where the
					answers are up to three
					decimal places
					associate a fraction with
					division and calculate
					decimal fraction
					equivalents (e.g. 0.375) for
					a simple fraction
					$(e.g. ^{3}/_{8})$
					use written division
					methods in cases where
					the answer has up to two
					decimal places
		PROBLEM	SOLVING		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		solve problems that	solve problems involving	solve problems involving	
		involve all of the above	increasingly harder	numbers up to three	
			fractions to calculate	decimal places	
			quantities, and fractions		
			to divide quantities,		
			including non-unit		
			fractions where the		
			fractions where the	solve problems which require knowing	













	fractions and decimals to	percentage and decimal	
	two decimal places.	equivalents of ${}^{1}/_{2}$ , ${}^{1}/_{4}$ , ${}^{1}/_{5}$ ,	
		$^{2}/_{5}$ , $^{4}/_{5}$ and those with a	
		denominator of a multiple	
		of 10 or 25.	







